



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
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No. 26]

NEW DELHI, SATURDAY, JUNE 28, 1997 (ASADHA 7, 1919)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2

### [PART III-SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 28th June 1997

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## पेटेंट कार्यालय

एकरव तथा अभिकल्प

कलकत्ता, दिनांक 28 जून 1997

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांड़ी हस्टेट,  
तीसरा तल, सोजर परले (प.),  
मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश  
तथा गोंडा राज्य क्षेत्र एवं संघ  
शासित क्षेत्र, दमन तथा दीव एवं  
दादर और नगर हवेली ।

तार पता-“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
उत्तर प्रदेश तथा दिल्ली राज्य  
क्षेत्रों एवं संघ शासित क्षेत्र चण्डीगढ़ ।

तार पता-“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,

विंग सी (सी-4, ए)

तीसरा तल, राजाजी भवन बमन नगर,

मुम्बई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल तमिलनाडू  
तथा पाण्डिचेरी राज्य क्षेत्र एवं  
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय  
तथा एमिनिदिवि द्वीप ।

तार पता-“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)  
निजाम पैलेस, द्वितीय बहुमंतीय कार्यालय  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कलकत्ता-700 020.

तार पता - “पेटेंट्स”

भारत का अवशेष क्षेत्र ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में  
अपीक्षित सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रलेख पेटेंट  
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा  
काक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान  
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा  
चैक द्वारा की जा सकती है ।

APPLICATION FOR PATENT FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crecent brackets are the dated  
claimed under section 135, of Patent Act, 1970.

14-5-1997

865/Cal/97. Acciai Speciali Tereni S.P.A., "System for  
cleaning the tapping hole of electric-arc furnaces  
with E.B.T. system". (Convention No. RM 96  
A 000333 on 14-5-96 in Italy)

866/Cal/97. Glaxo Group Limited, "Chemical compounds".  
(Convention No. 9610032.6 on 14-5-96 &  
9623775.5 on 15-11-96 in United Kingdom).

867/Cal/97. NVB International, "Activation pin". (Conven-  
tion No. 9600168U3 on 14-5-96 ; 9600180U3 on  
24-5-96; 9600227U3 on 28-6-96 & 9700048U3  
on 31-1-97 in Denmark).

868/Cal/97. Electronics Research and Development Centre  
of India, and a Scientific Society of the Govern-  
ment of India, "Signal isolator/isolated process  
transmitter".

869/Cal/97. Siemens Aktiengesellschaft, "Converter system".  
(Convention No. 19620442.9 on 21-5-96 in  
Germany).

870/Cal/97. Siemens Aktiengesellschaft, "Drive device for  
rolling stands". (Convention No. 1 9620246.9 on  
21-5-96 & 19639962.9 on 27-9-96 in Germany).

871/Cal/97. Sankyo Company, Limited, "Tricyclic com-  
pounds having fungicidal activity, their prepara-  
tion and their use". (Convention No. 8-120301  
on 15-5-96 & 9-48828 on 4-3-97 in Japan).

15-5-1997

872/Cal/97. Akhile Kumar Swar, "Method for the treat-  
ment of industrial effluent water".

873/Cal/97. Daewoo Electronics Co., Ltd., "Video signal  
encoder employing an adaptive quantization  
technique". (Convention No. 96-16409 & 96-  
16410 on 16-5-96 in South Korea).

874/Cal/97. Siemens Aktiengesellschaft, "Seal arrangement  
and steam turbine". (Convention No. 19619725.2  
on 15-5-96 in Germany).

875/Cal/97. Siemens Aktiengesellschaft, "Conductor winding arrangement for a large electrical machine". (Convention No. 19619724.4 on 15-5-96 in Germany).

876/Cal/97. Siemens Aktiengesellschaft, "Method for computer-aided back signalling in an automatic repeat request procedure". (Convention No. 19621995.7 on 31-5-96 in Germany).

877/Cal/97. Siemens Matsushita Components GMBH & Co. KG., "Device for the mutual fixing of ferromagnetic cores and carriers for electrical conductors in inductive components". (Convention No. 19621126.3 on 24-5-96 in Germany).

878/Cal/97. Siemens Matsushita Components GMBH & Co. KG., "Inductive components". (Convention No. 19622014.9 on 31-5-96 in Germany).

879/Cal/97. Sungeric International Inc., "Systematic method for making shotcrete and the like cementitious composition\* and such compositions". (Convention No. 2,177,298 on 24-5-96 in Canada).

880/Cal/97. Robert Lee Thompson, "Surgical/Diagnostic imagine device".

16-5-1997

881/Cal/97. Biswajit Guha, "Compaction granular lime piles".

882/Cal/97. Jan Otto Solem, "Branching device". (Convention No. 9601884-1 on 17-5-96 in Sweden).

883/Cal/97. Matsushita Electric Industrial Co., Ltd., "Image coding apparatus, image decoding apparatus image coding method, image decoding method image coding program recording media, image decoding program recording media". (Convention No.

Country	No.	Date
Japan	08-122972	17- 5-96
Japan	08-198720	29-7-96
Japan	08-203363	01-8-96
Japan.	08-210955	09-8-96

884/Cal/97. Ohmi Forschung Und Ingenieurtechnik GMBH, "Method and apparatus for adsorptive cleaning of substances". (Convention No. 19620695.2 on 23-5-96 in Germany).

885/Cal/97. Siemens Aktiengesellschaft, "Carrier element for a semiconductor chip". (Convention No. 19620025.3 on 17-5-96 & 19635732.2 on 3-9-96 in Germany).

886/Cal/97. SDC Coatings, Inc., "Highly tintable abrasion-resistant coating compositions". (Convention No. 08/654,567 on 29-5-96 in USA).

#### CORRIGENDUM

Regarding the patented inventions which have not been worked in India on a commercial scale in want of licensee, published in the Gazette of India, Part III, Section 2, on page 143 of 1997, there should be "Patents 165744 & 167376 both dated 18-3-1987 and both of Narendra. Kumar Sharma, P-55, Usha Park, Brahmapur, P.O.—Garia, Calcutta-700084, India, for improvement in TV signal booster and improvement in power supply unit of TV signal booster respectively".

Under heading "Complete Specification accepted" in the Gazette of India, Part III, Section 2 notified on 9th Nov., 1996 at page 910, the name of Eaton Corporation has been stated inadvertently instead of Westing-house Electric Corporation, U.S.A. in respect of patent application, No. 380/Cal/91 (177092). The name of Eaton Corporation to be deleted from the name of applicant.

#### ALTERATION OF DATE

Patent No. 178805 Ante-dated to 24-11-1988. (946/Mas/91)

Patent No. 178807 Ante-dated to 8th December, 1989 (707/Mas/93)

Patent No. 178808 Ante-dated to 29th May, 1990. (631/Mas/94)

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this Issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the patent office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

#### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदन में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आधीदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र के उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप है।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की दंकिता अथवा फोटो प्रतियों की आपूर्ति

पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अद्योगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित बिना आरंभ कागजों को जोड़कर उसे 2 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl : 36 Al Bl

178781

Int. Cl<sup>4</sup>: F 01 B 11/00, 15/00

## A SPIRAL HOUSING MADE OF SHEET METAL.

Applicant: KSB AKTIENGESSELLSCHAFT, OF JOHANN-KLEIN STRABE 9 D-67227 FRANKENTHAL, GERMANY.

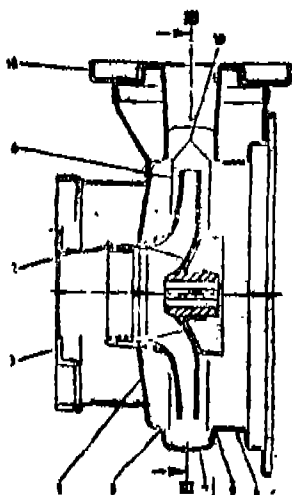
Inventors: (1) ROLF SCHERER (2) JORG STARKE (3) PRIMO LOVISETTO (4) GIULIANO FRANCO MATEAZZI.

Application No. 121/Cal/1991 filed on 8th February, 1991

-Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972,) Patent Office, Calcutta.

## 12 Claims

A spiral housing for a centrifugal pump of sheet metal construction comprising two parts (1 & 4) and a spiral chamber (7) arranged downstream of the impeller and is in the form of an independent component, characterized in that said spiral chamber (7) having uniform internal diameter is arranged between said two pump housing parts located on both sides of the impeller and said internal diameter of the spiral chamber (7) is equal to the external diameter of the pump housing and the external diameter of the pump housing is larger than the external diameter of the impeller.



Compl. Spcn. 9 pages

Drgns. 5 sheets

Cl.: 206 E

178782

Int. Cl<sup>4</sup>: G 01 S 13/02.

## CHARGING CIRCUIT.

Applicant: HOLLANDSE SIGNAALAPPARATEN B.V., OF ZUIDELIJKE HAVENWEG 40, 7550-GD HENGEL, THE NETHERLANDS.

Inventor: ALBERT PIETER STEGEMAN.

Application No. 702/Cal/1991 filed on 17th September, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

## 2 Claims

Charging circuit for charging, from a voltage source (1), a pulse-forming network (5) to a predetermined voltage which exceeds the voltage of the voltage source (1), comprising a first serial circuit for charging the pulse-forming network, provided with a first switch (3) and an inductive element (4), a first diode (6) for sustaining a current flowing in inductive element (4) on opening first switch (3), a (3), a second serial circuit provided with a second switch (8) and a control unit (2) for closing the first switch (3) at the start of a charging cycle and opening the first switch (3) and substantially simultaneously closing the second switch (8) when the predetermined voltage has been reached, characterize in that the inductive element (4) is an inductor, the first serial circuit is provided with a second diode (11), and the second serial circuit is provided with a third diode (10) for preventing excess energy stored in the inductive element (4) from reaching pulse-forming network (5) and for returning this excess energy to the voltage source (1).

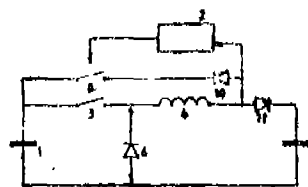


Fig. 3

Compl. Specn. 6 pages

Drgns. 1 sheet

Cl.: 99 H E

178783

Int. Cl<sup>4</sup>: B 29 D 1/00,

B 65 D 35/14, 35/10.

## A PLASTICS TUBE HEAD PROVIDED WITH A LINING HAVING A BARRIER EFFECT.

Applicant: CEBAL SA, OF 98, BOULEVARD VICTOR HOGO 92115 CLICHY, FRANCE.

Inventors: ALAIN JUPIN AND GERARD CHAPET.

Application No. 469/Cal/1992 Bled on 2nd July, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

## 8 Claims

A plastics tube head (1; 16, 30) comprising a neck (2) surmounting a substantially truncated cone-shaped shoulder (4), said head being equipped with a lining having a barrier effect (7) continuously covering at least 80% of the internal height of said neck (2) and at least 50% of the substantially truncated cone-shaped internal surface area of said shoulder (4), said lining (7) being completely enclosed in an annular covering (8) of a first plastics material constituting the exterior (8; 8a) of said head (1; 16; 30), characterized in that said lining (7) consists of a multi-layered (9, 6, 10, 11) polymeric element fixed by an external surface layer (9) of said element (7) to said annular covering (8), said element (7) also comprising one or more polymeric layers having a barrier effect (11) and a total thick-

ness of said layers (II) between 0.008 and 0.05mm and an internal surface layer (6) having a thickness of 0.25 to 1.2mm of polyolefin or of polyester,

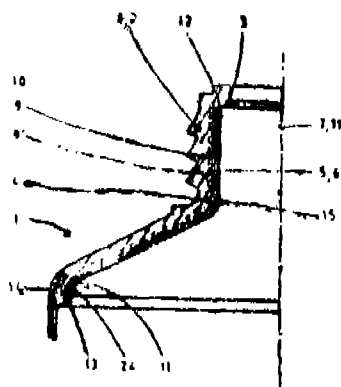


FIG. 1

Compl. Specn. 13 pages

Drgns. 2 sheets

Cl. : 172 C 4

178784

1st. Cl<sup>4</sup> : D 01 H 5/56.

A TEXTILE MACHINE COMPRISING A PLURALITY OF DRAFTING UNITS ARRANGED NEXT TO ONE ANOTHER IN A ROW.

Applicant : FRITZ STAHLER, OF JOSEF-NFI-DHART-STRASSE 18 7347 HAD UNBERKINGEN, FRG.

&

HAMS STAHLER OF HALDENSTRASSE 20 7334 SUSSEN, FRG.

Inventors : HANS STAHLER AND NORBERT BARAUKE.

Application No. 813/Cal/1992 filed on 9th November, 1992,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

#### 10 Claims

A textile machine comprising a plurality of drafting units arranged next to one another in a row, wherein a drafting unit (51) and spindle (2) are assigned to each spinning station, and

a machine frame (54) having longitudinal (17, 18) which extend in the longitudinal direction of the machine, the machine frame (54) being divided in the longitudinal direction of the machine frame into several machine sections and the said machine sections contain a plurality of roller stands (9, 19, 11, 12) wherein the roller stands are fastened to the supports (17, 18) of the machine frame and contain bearing receiving devices (33, 35, 37, 60; 67).

a plurality of drafting units (51) each drafting unit containing a delivery bottom cylinder (8) disposed stationarily in the machine frame (54) and two bottom cylinders (6, 7) which are adjustable relative to one another and to the delivery bottom cylinder (8), each bottom cylinder (6, 7) in the longitudinal direction of the machine frame is formed of cylinder sections coupled to (connected with) each other;

roller bearing disposed in bearing receiving devices (33, 35, 37, 60, 67) hold the bottom cylinder (6, 7, 8) in the bearing receiving devices (33, 35, 37, 60, 67),

at least one of the roller stands (9, 12) in each machine section having a stationary bearing receiving devices (60)

for a bearing of the delivery bottom cylinder (8) and a plurality of roller stands (10, 11) in each machine section having one adjustable bearing receiving device (37, 67) for a bearing of the delivery bottom cylinder; characterized in that : the adjustable bearing receiving device (37, 67) are adjusted and fixed by means of screws (34, 36) to a position of the delivery bottom cylinder (8) predetermined by the stationary bearing receiving device (60).

Compl. Specn. 28 pages;

Drgns.

6 sheets.

Cl. : 64 B I

178785

Int. Cl<sup>4</sup> : H 01 R 04/24.

A METHOD OF CUTTING AND CLAMPING TERMINAL ELEMENT FOR CONTACTING ELECTRICAL CONDUCTORS.

Applicant : KRONE AKTIEGESELLSCHAFT, OF BEESKOWDAMM 3-11. D-1000, BERLIN 37, WEST GERMANY.

Inventor : ANDRZEJ JANCZAK.

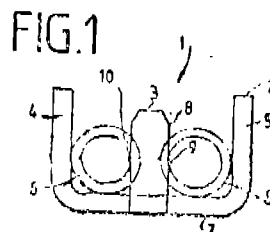
Application No. 70/Cal/1993 filed on 4th February, 1993,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

#### 12 Claims

A method of cutting and clamping terminal element for contacting plurality of electrical conductors, in particular for cable cores of the telecommunication technology, comprising a U-shaped section piece (10) of a U-shaped cross-section made of electrically conductive metal and having a cutting and clamping contact,

characterized by that the cutting and clamping contact is formed of at least one central web (3) cut free from the bottom portion (7) of the section piece parallel to the side walls (4, 5) and bent off upwardly, with an inclined notch portion (8) formed at an angle and gap between side wall (4, 3) and web (3) smaller than the dia of conductor (6) equal to the thickness of insulation.



Compl. Specn. 11 pages;

Drgns, 8 sheets

Cl. : 32 E

178786

Int. Cl<sup>4</sup> : C 08 L 23/20.

A PROCESS FOR THE PREPARATION OF POLYOLEFIN COMPOSITIONS

Applicant : MONTELL NORTH AMERICA INC., OF 2801 CENTERVILLE ROAD, NEW CASTLE COUNTY, DELAWARE, U.S.A.

Inventors : BURGIN EMANUELE AND COVEZZI MASSIMO,

Application No. 78/Cal/1993 filed on 10th February, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

## 8 Claims

A process for the preparation, of polyolefin compositions having reduced seal initiation temperature, and content of solubles in n-hexane at 50°C as required for complying with FDA specification stated herein, characterized in that the process comprises blending in known techniques such as herein described, (A) from 30 to 60% by weight of a known linear low density polyethylene (LLDPE), such as herein described, having melt index E values (ASTM-D-1238) from 0.1 to 15; and (B) from 40 to 70% by weight of a known crystalline copolymer of propylene with comonomer(s) selected from ethylene, at least one C<sub>4</sub>-C<sub>8</sub> OC-olefin and mixtures thereof, such as herein described, said monomer(s) being polymerized in a known process, such as herein described in the presence of a known catalyst component comprising a titanium component and a known electron-donor compound, both supported on an active magnesium dihalide, and a known Al-alkyl compound cocatalyst and, optionally, a known external donor, where the said polymerization is carried out in at least two stages, preparing components (A) and (B) in separate and consecutive stages, and operating in each stage in the presence of the polymer and the catalyst used in the preceding stage.

Compl. specn. 28 pages

Drg. Nil,

Cl. : 152

E

178787

Int. Cl.<sup>4</sup> : C 08 L 23/10, 23/08.

## A POLYOLEFIN COMPOSITION.

Applicant. : MONTELL NORTH AMERICA INC., OF 2801 CENTERVILLE ROAD, NEW CASTLE COUNTY, DELAWARE-USA.

Inventors : (1) RENATO GHISELLINI  
(2) GIULIANO CECCHIN,  
(1) DECIO MALUCELLI.

Application No. : 92/Cal/93 filed on 16th February, 1993.

Appropriate Office for Opposition Proceedings. (Rule 4, Patents Rule, 1912) Patent Office, Calcutta,

## 5 Claims

A polyolefin composition having enhanced transparency and impact resistance, comprising (by weight) :

(A) from 25 to 65 parts of a crystalline random copolymer of propylene with ethylene and oc-olefin of formula CH<sub>2</sub>=CHR, where R is a C<sub>2</sub>-C<sub>8</sub> alkyl radical, either singly or in combination; said copolymer containing more than 85% by weight of propylene and having Haze values lower than 25%;

(B) from 5 to 75 parts of a component comprising (a) an elastomeric copolymer of ethylene with propylene and OC-olefin of formula CH<sub>2</sub>=CHR, where R is a C<sub>2</sub>-C<sub>8</sub> alkyl radical, either singly or in combination, and optionally with a minor proportion of a diene selected from 1, 4-hexadiene, 1,5-hexadiene, dicyclopentadiene, 1, 6-octadiene, ethylidene-norbornene and vinylnorbornene, said elastomeric compound containing 20-80 parts of thylene, and (b) one or more of the polymers selected from the group consisting of linear low density polyethylene (LLDPE), low density polyethylene (LDPE) and high density polyethylene (HDPE) having melt index higher than, 0.5 g/10 min said (a) and (b) being present in such proportions that the ratio between the density of (A), (dA), and the calculated average density of (B), (dB), is comprised from 0.980 to 1.015, (dB) being defined

$$(d_a \cdot X_a) + (d_b \cdot X_b),$$

wherein d<sub>a</sub> and d<sub>b</sub>, are respectively the density of components (a) and (b) of (B), and X<sub>a</sub> and X<sub>b</sub>, are respectively the volumetric fractions of (a) and (b) in component (B).

Compl. specn. 31 pages

Drg. Nil

Cl. : 157 D 2

178788

Int. Cl.<sup>4</sup> : E 01 B 9/02,

"AN IMPROVED RAIL SEAT ASSEMBLY FOR FAST-ENTNO A RAIL TO A CONCRETE SLEEPER".

Applicant : BINA METAL WAY PVT. LTD., OF 12/1, LINDSAY STREET, CALCUTTA-700 087, INDIA.

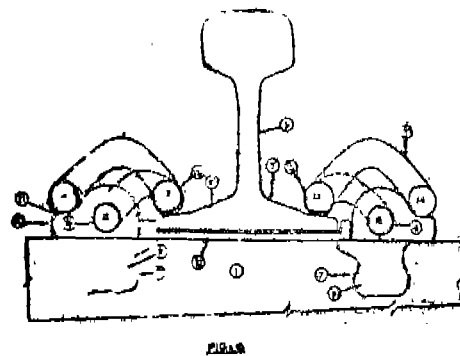
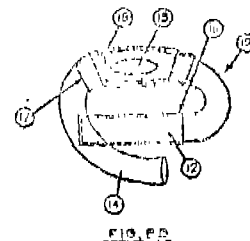
Inventors, : PROBAN MUKHERJEE,

Application No. : 173/Cal/1993 filed on 23rd March, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

## 8 Claims

An improved rail seat assembly for fastening a rail (5) to a concrete sleeper (1) comprising : at least one metal insert (7) having its shank (9) embedded in the concrete of the sleeper; at least one elastic clip (19) having its central leg (12) extending into a longitudinal hole (8) in the head of the said metal insert and having its toe (13) pressing on one of the flanges (5) of the rail; and a rubber pad (10) placed between the said sleeper and the said rail; characterised by the "provision of an adherent insulating lining (17) on the said toe of the elastic clip and an adherent anti-corrosive inling (8A) in the longitudinal hole of the insert, said linings comprising fibre-glass cloth coated with synthetic resin such as herein described, with or without an overlaid metal armour, such as herein described, on either one of or both the liners.



(Compl. Specn : 12 pages;

Drgns

: 6 Sheets)

Cl. : 155 D

178789

Int. Cl.<sup>4</sup> : B 28 B 1/52

"AN IMPROVED PROCESS FOR MANUFACTURE OF FIBRE CEMENT SHEETS".

Applicant : VANGALA PATTABHI OF 9 R. N. MUKHERJEE ROAD, CALCUTTA-700 001, WEST BENGAL, INDIA.

Inventor : BANDACHARY.

Application No. : 222/Cal/93 filed on 16th April, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

## 6 Claims

An improved process for manufacturing of fibre cement sheets comprising of the processing reinforced fibres such as herein described, mixing said fibres with water to form a fibre slurry, adding binders comprising basically portland cement and silicious material such as herein described optionally with fillers and additives such as herein described to said fibre slurry followed by feeding the mixture thus formed to sheet forming machine such as herein described, forming the sheets, shaping and sizing the sheets to desired description followed by drying, demoulding and subsequently subjecting the same to steam curing by conventional means wherein said silicious material in the hinder essentially consists of 95% pulverised flyash having surface area of 2000—4000cm<sup>2</sup>/gm and not less, than 5% by weight of ground silica, and said silicious material is used in an amount of 20—50% by weight of the total mix comprising of the reinforcing fibres, cement and silicious material optionally with fillers and additives.

(Compl. Specs : 10 pages;

Drngs : Nil)

Ind. Cl. : 98 I

178790

Int. Cl. : F 24 J 2/04.

"AN APPARATUS FOR EFFECTIVE UTILIZATION OF SOLAR ENERGY".

Applicant & Inventor : SANTANU ROY, OF 13, NANDA KUMAR CHOUDHURY LANE, CALCUTTA-700 006, WEST BENGAL, INDIA.

Application No. : 355/Cal/1993 filed on 24th June, 1993,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta,

## 18 Claims

## I Claim :—

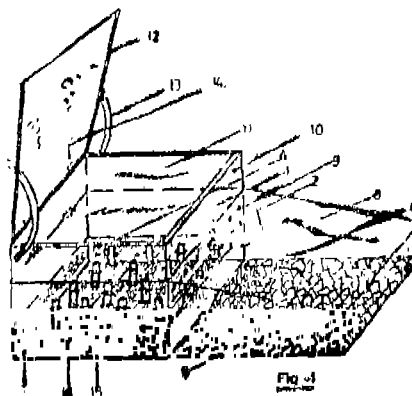
1. An apparatus for effective utilization of solar energy, which comprise; in combination the following :—

- (a) a main body sub-divided into three different chambers or compartments such as. for instance :—
  - (i) an upper chamber being substantially empty with a lid capable of reflecting heat and light rays and sides being coated with selective heat-absorbing material(s) and suitably insulated, the said chamber being fitted with a sheet of transparent material at the top thereof which is capable of transmitting infra-red rays and the bottom part may optionally have a detachable partition between the upper chamber and the middle chamber the said upper chamber serving as the heating chamber
  - (ii) a middle chamber the upper surface of which is the bottom surface of the upper chamber and at the lower surface thereof there is provided a lamination or sheet-like body with perforations or slots situated at definite intervals and of suitable sizes through which pass metal rods, rounds or bars of predetermined dimensions, one end of each of which rods, rounds or bars is securely attached to the said lower surface protruding into the lower chamber, the front side of the said middle chamber having slots, ports or openings serving as inlets for infrared rays ; and
  - (iii) a lower chamber containing a fluid having a plurality of opening for entry and exit of said fluid and said lower chamber having metallic rods, pipes or bars suspended therein for effecting variations in temperature ;
- (b) an extended section coplanar with the lower chamber having a stone or rock bed, optionally having a suitable coating for absorption and retention of heat received from solar radiation, the bottom part of the section being made of a durable material and the sides including the top portion being made of transparent material ;

- (c) an insulating mounting lined outwardly with durable, shock resistant, inert material on which the said main body with the extended section is mounted ;
- (d) source for supply of fluid material ;
- (c) means for storing the fluid medium after heat exchange has taken place; and
- (f) means for attaching the reflector to the upper chamber of the main body and fixing the same at any desired angle,

2. An apparatus as claimed in Claim 1, wherein the fluid medium is a liquid like water.

3. An apparatus as claimed in Claim 1 or 2, wherein the side walls of the upper chamber are made of double-walled insulated section, the inner surfaces of which are coated with dark, heat-absorbing material.



Ind. Cl. : 194 C 1 2

178791

Int. Cl<sup>4</sup> : H 01 J 19/42, 19/54.

PANEL AND FUNNEL TRANSFER SYSTEM FOR MAKING CATHODE RAY TUBE".

Applicant : SAMSUNG CORNING CO. LTD., OF 472, SIN-RI, TAEAN-EUP HWASUNG-GLTN, KYEONGGI-DO, REPUBLIC OF KOREA.

Inventors : SUNG BAK SUK and KIM NACK SOO.

Application No. : 293/Cal/1991 filed on 16th April, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta,

## 1 Claim

1. A panel and funnel transfer system for making the cathode ray tube, which comprising :

a waiting device (20) where formed panels and funnels (10) placed is transferred, including, rollers (23) rotably fixed to frame (21) and a signal maker (22) for detecting whether a panel and funnel (10) is located at the end of the roller (23),

a transfer unit (30) for transferring the panels and funnels (10) on the waiting device (20) to a predetermined place in response to a signal from the signal maker (22), including a vacuum pad (34) connected to a vertically movable cylinder (35) for holding the panels and funnels (10), a horizontally movable cylinder (32) arranged on the frame (31) for moving a horizontal moving assembly (37) which is provided with the vertically movable cylinder (35) through a bracket (36) ;

a block conveyor (40) located at said predetermined place for receiving the panels and funnels (10) supplied from the transfer unit (30) and placing them in a row, including a pair of endless loop conveyors (46') and a signal maker (48') for detecting whether a predetermined numbers of the panels and funnels (10) are located upon the loop conveyor (46') to control operation thereof; and

a roller conveyor (60) including a set of rollers (46) arranged between the loop conveyors (46), which is elevated by a vertically movable cylinder (42) in response to a signal from the signal maker (48) to transfer the panels and funnels (10) toward an annealing LEHR (50), and a plurality of rollers (62) arranged to transfer the panels and funnels (10) from the rollers (46) to the LEHR (50).

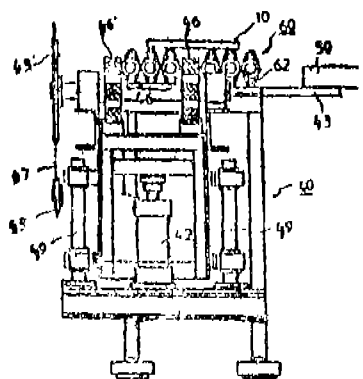
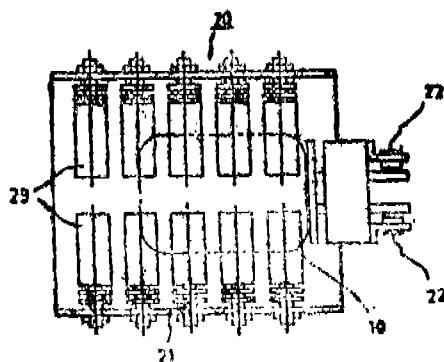


Fig. 7



Ind. Cl. : 172 O 5;

93

178792

Int. Cl. : D01G 5/00, 7/10.

THE DEVICE FOR THE SEPARATION OF METALLIC IMPURITIES FROM A FIBRE DRAW MILL PATH IN THE SPINNING MILL PROCESSING.

Applicant : TRUTZSCHLER GMBH & CO. KG., OF DUVENSTR 82-92 D-4050 MONCHENGLADBACH 3, GERMANY.

Inventors : STEFAN SCHLICHTER and FERDINAND LEIFELD.

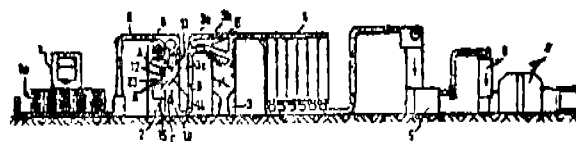
Application No. 642 /Cal/1991 filed on 28th August, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

31 Claims

A device for the separation of metallic impurities from a fibre draw mill in a spinning mill processing, in which the fibre flakes are moved over the draw mill where the fibre draw mill path has a branch-off pipe operatively connected to a deflection element for impurities be deflected, comprises a separator (2) for separation of ordinary size impurities,

another separator (3) for the separation heavy particles, said separator (3) disposed in between said separator (2) and a multi-mixer (4), said deflection element and metallic detector (11, 17) are connected operatively by a control device: in such a way that the direction of flow through said branch-off pipe can be connected as a result of the passage of a metallic object through the zone of said metal detector (11m, 17), within the said metal detector (11, 17) is placed above the said deflection element (14) for the impurities (30) be deflected into a waste container (15) and the fibre flake (A) between said metal detector (11, 17) and said deflection element (14) is moved by gravitational force.



(Compl. specn. 18

pages

Drgns. 8 sheets)

Ind. Cl. : 144 B

178793

Int. Cl<sup>4</sup> : C08G 71/04.

COMPOSITE MATERIALS RESISTANT TO WEAR AND INTENDED FOR COVERING PIECES SUBJECTED TO THE PHENOMENA OF WEAR, EROSION, CAVITATION AND ABRASION ESPECIALLY IN A CORROSIVE MEDIA.

Applicant : NEYRPIC, OF ANONYME 75 RUE GENERAL MANGIN, FR-38100, GRENOBLE.

&

CEREX, OF ANONYME, 24, RUE DE LA RESISTANCE, FR-74100 ANNEMASSE.

Inventors : JEAN-MARIE ROMAN;  
GERALD BIENVENU;  
JURGEN GAUGER.

Application No. 845/01/1992 filed on 19th November, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

12 Claims

Composite material resistant to wear and intended for covering pieces subjected to the phenomena of wear, erosion, cavitation and abrasion especially in a corrosive media, comprising an association of :

- (i) an organic matrix such as herein described which is an elastomeric polymer which is sufficiently elastic to absorb shocks form large suspended particles in a flowing fluid;
- (ii) a network of quasi-spherical non-oxidized ceramic particles such as herein described substantially of submicronic dimensions and having in general a diameter ranging between 0.1  $\mu\text{m}$  and 10  $\mu\text{m}$ , distributed uniformly in the matrix said quasi-spherical particles imparting resistance to impact of large particles which strike the material, the density of the submicronic particles being between 16 and 5, and
- (iii) a macromolecular dispersant such as herein described capable of reducing interfacial tension between the elastic organic matrix and the quasi-spherical non-oxidized ceramic particles.

(Compl. specn. 12 pages

Drg.

Nil)



Cl. : 40 B

178794

Int. Cl.<sup>4</sup> : C 08 F 4/06**PREPARING CATALYST FOR OLEFIN POLYMERIZATION,**

Application : PHILIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventors : (1) WILLIAM KEVIN REAGEN (2) JEFFREY WILLIS FREEMAN (3) BRIAN KEITH CONROY (4) TED MATTHEW PETTIJOHN (5) ELIZABETH ANN BENHAM.

Application No : 34/Cal/1993 filed on 21st January, 1993.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

**30 Claims**

A process to prepare a catalyst system comprising reacting a metal source which is a chromium, nickel, cobalt, iron, molybdenum, or copper compound, a pyrrole-containing compound and a metal alkyl in a mutual solvent (without a preliminary reaction step between the metal source and the pyrrole-containing compound in the presence of an electron donor solvent, such as an ether), in which the reactants are used in a relative ratio of

- (a) about 1 mole of the metal of the metal source;
- (b) about 1 to about 15 moles of the pyrrole-containing compound;
- (c) about 5 to about 40 moles of the metal alkyl and, if desired, including an unsaturated hydrocarbon in the reaction, said unsaturated hydrocarbon optionally providing the mutual solvent, and if desired, admixing the catalyst system prepared as a cocatalyst system with a polymerization catalyst system.

(Compl. Specn. : 69 Pages;

Drgns. : Nil)

Cl. : 45 G I. 184

178795

Int. Cl.<sup>4</sup> : E 03 D 1/14, 1/35**A CISTERN MECHANISM FOR FLUSHING LIQUID IN A WIDE VARIETY OF CISTERNS.**

Applicant : CAROMA INDUSTRIES LIMITED, OF 10 MARKET STREET, BRISBANE, QUEENSLAND 4000 AUSTRALIA.

Inventors : DAVID CHELCHOWSKI AND COLIN WILLIAM WOOLDRIDGE

Application No. : 159/Cal/1993 filed on 16th March, 1993.

(Convention No. PL1494 on 24-3-92 in Australia).

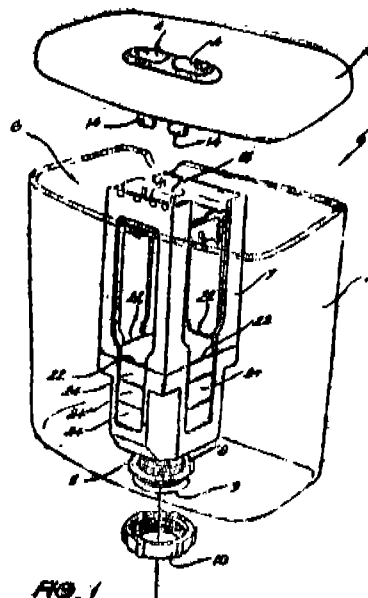
Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

**8 Claims**

A cistern mechanism (6) for flushing liquid in a wide variety of cisterns (1) each of which has a different volume to depth profile defined by internal surfaces thereof, said mechanism (6) comprising :

- (a) a frame (7) mountable within the cistern (1) by connection with a flush pipe (20) for communicating liquids out of the cistern (1);
- (c) a flush valve (17) mounted in said frame (7); and
- (c) a flush valve lift actuator (15) interconnected with said flush valve (17) and mounted on said frame (7) above said flush valve (17) for lifting same; wherein said frame (7) comprises a liquid retaining weir (22) surrounding said valve (17) and extending above said valve (17) to a predetermined height, said weir being spaced apart on all sides from the

Internal surfaces of the cistern (1) when said frame (7) is mounted within the cistern (1), the liquid retaining height of said weir relative to said flush valve (17) being selected to set the amount of liquid flushed by said cistern mechanism (6).



(Compl. Specn. : 11 Pages;

Drgns. : 3 Sheets)

Cl. : 146 B

178796

Int. Cl.<sup>4</sup> : B 43 L 13/00**A DRAWING INSTRUMENT**

Applicant : SUSHANTA BARTHAKUR, OF M. C. ROAD, UZAN BAZAR GUWAHATI 781001, ASSAM, INDIA.

Inventors : RAMENDRA NARAYAN BHATTACHARYA, OF HEM CHANDRA ROAD, UZAN BAZAR GUWAHATI 781001 ASSAM, INDIA.

Application No. : 171/Cal/1993 filed on 22nd March, 1993.

(Complete specification left after provisional on 31-01-94).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

**10 Claims**

A drawing instrument having a flat shaped body, such as, either member of a set square, a minidraft machine and the like having provided on the flat surface of said body (A) a protector with graduations of angles, characterized in that, said body (A) has at least one reference line (3) parallel to the respective working edge (5), a plurality of elongated slots (6), each having an inner and outer reference edges (7a, 7b), said slots (6) formed parallel to said outer working edges (5) of said body by said reference edges (7a, 7b), a plurality of reference lines (3') passing through said angle-graduations extended upto the said outer working edges (5) of said body (A), reference edge lines being formed by either said reference lines (3, 3') or said reference edges, said reference edge lines being capable of drawing any sharp angles directly and templates provided with a plurality of curved slots having inner and outer edges (14 & 15) distanced uniformly and disposed face to face and material link portions (16 & 17) in between two curved slots forming thereby superimposed template openings (13) wherein said slots, being curved depending on the configurations such as, circular, elliptical as desired to be drawn.

(Compl. Specn. : 21 Pages;

Drgns:Nil

(Provl. Specn. : 13 Pages;

Drgns. : 4 Sheets)

Cl. : 107 F

178797

Int. Cl. : F 02 P 9/00

A VALVE FOR PROVIDING MULTISOURCE VACUUM TO THE DISTRIBUTOR OF AN INTERNAL COMBUSTION.

Applicant : STERLING INTERNATIONAL, OF 8/2 K. S. ROY ROAD, ROOM NO. 8, 1ST FLOOR, CALCUTTA-700001, WEST BENGAL, INDIA.

Inventors: JATINDER KUMAR ARYA AND BARID BARAN MANNA.

Application No. : 174/Cal/1993 filed on 24th March, 1993.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

## 4 Claims

A valve for providing a multi-source vacuum to the distributor of an internal combustion engine, comprising a totally enclosing body (18) with two end-covers (17A, 17B), fitted one at each end thereof, the said two end-covers being made of rigid materials like zinc coated steel; one outlet (151) which is connected to an internal bore (22) of the valve; and two inlets (13, 14); one of which (14) is connected to the said internal bore (22) in two ways, namely, through one displaceable diaphragm (16A) placed at one end (22A) of the bore (22) via a port (20A) and an end space (21A) and through a narrow hole (19) made in the wall (22c) of the bore (22) via a port (20A); and the other of which (13) is connected to the bore (22) only through one displaceable diaphragm (16B) provided at the opposite end (22B) of the bore (22) via a port (20B) and an end space (21B),

(Compl. Specn. 12 Pages; Drgns. : 1 Sheet)

Cl. : 12 C &amp; D, 85 G

178798

Int. Cl.<sup>4</sup> : C 21 D 9/46, 1 /34, F 27 B 9/36, 9/40

METHOD OF ANNEALING MAGNETIC CORES OF THE TYPE COMPRISING A CLOSED LOOP OF AMORPHOUS METAL AND THE APPARATUS FOR CARRYING OUT THE METHOD.

Applicant: GENERAL ELECTRIC COMPANY, OF 1 RTVFR ROAD SCHENECTADY 12345. NEW YORK. UNITED STATES OF AMERICA.

Inventors : PAUL ROBERT EKLUND GEORGE J HEISLER; AND REX E. KOEPPEN.

Application No. : 364/Cal/1993 filed on 28th June, 1993.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

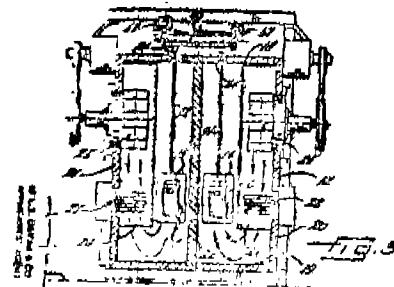
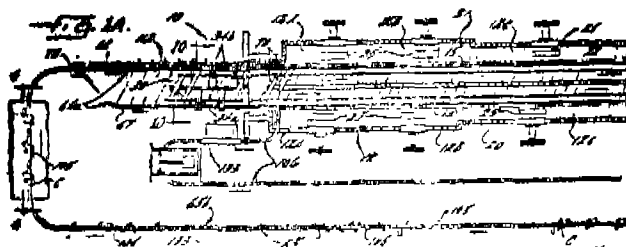
## 24 Claims

A method for annealing magnetic cores of the type comprising a closed loop of amorphous metal which defines a central opening, and comprising the steps of :

transporting the cores serially along the length of an electrically conductive rod, and with the cores being oriented so that the rod passes through the central openings of the cores, while

heating the cores, and while

causing a direct electrical current to flow through an electrical loop which comprises the length of said rod and so as to generate an electromagnetic field along the length of the rod. and such that the cores pass through the field.



(Compl. Specn. : 30 Pages Drgns. : 10 Sheets)

Cl. : 80 C

178799

Int. Cl.<sup>4</sup> : B 01 D 29/04

APPARATUS FOR FILTERING CONTAMINATED LIQUIDS, SUCH AS IN PARTICULAR WASTE OIL.

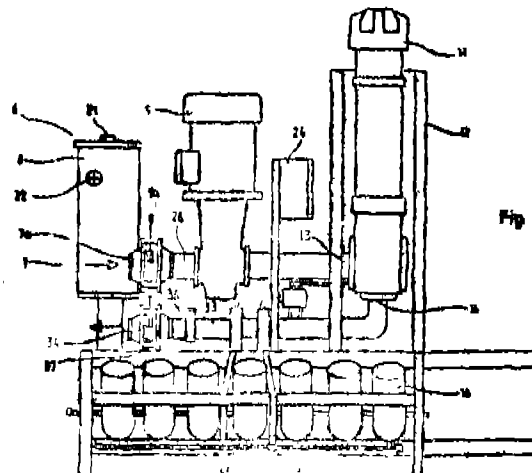
Applicant & Inventor : PAUL COUWENBERGS, OF SCHEIBENBERGSTRASSE 17. D-76189 KARLSRUNHE, GERMANY.

Application No. : 571/Cal/1993 filed on 29th September, 1993.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

## 22 Claims

Apparatus for filtering contaminated liquids in particular waste oil, tar oil, as well as cooling agents, cooling water, using filters and at least one pump (9,103) forcing the liquids through the filters characterized in that, a high-performance filter (11, 108) being followed by "several additional ultra-fine filters (16,115,201) arranged parallel to one another in the flow path and a magnetic filter (8,101) with a magnet which can be connected in for extracting magnetizable solid particles from the liquid.



(Compl. Specn. : 16 Pages Drgns. : 5 Sheets)

Cl. : 128 G 178800  
Int. Cl<sup>4</sup> : A 61 5/08

"A DEVICE TO SEGREGATE AND RETAIN A SAMPLE OF EXPIRED BREATH".

Applicant : DIAGNOSTICS & DEVICES, INC., OF P.O. BOX 172, BERNARDS VILLE, NEW JERSEY 07924, U.S.A.

Inventors : JANET GEORGE MURNICK AND RICHARD ALLAN CRONENBERG.

Application No. : 323/Cal/1994 filed on 3rd May, 1994.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972), Patent Office Calcutta,

#### 16. Claims

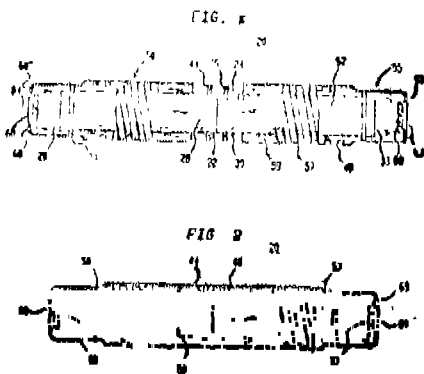
A device to segregate and retain a sample of expired breath from a stream of breath comprising :

(a; a body (22) defining an interior space (21i) having first and second ends and first and second openings (28, 33) adjacent said ends;

(b) a first closure member (50) mounted to said body for movement from an open position wherein the first closure member does not fully occlude the first opening to a closed position wherein the first closure member occludes the first opening and

(c) a second closure member (52) mounted to said body for movement from an open position wherein the second closure member does not fully occlude the second opening to a closed position wherein the second closure member occludes the second opening,

At least one of said body and said closure members being adapted to direct a stream of breath exhaled by a patient into said interior space by way of one said opening whereby a sample of expired breath may be captured in said interior space by directing the stream of breath through the interior space while both said closure members are in their open positions, the device further comprising latch means for latching said closure members in their closed positions upon movement of said closure member to said closed positions.



(Compl. Spcn. : 23 Pages; Drgns, : 4 Sheets)

Ind. Cl. : 172—C3 178801  
Int. Cl<sup>4</sup> : D 01 G 9/00

"METHOD AND DEVICE FOR PRODUCING FINE CLEANED TEXTILE FIBRES".

Applicant : RIETER MACHINE WORKS LTD., OF KLOSTERSTRASSE 20, CH-8406 WINTERTHUR, SWITZERLAND. A SWISS COMPANY.

Inventors : 1. HEINZ SCHELB 2. PAUL STAHELI 3. ULF SCHNEIDER 4. JURG FAAS 5. ROBERT DEMUTH.

Application No, 640/Mas/90 filed on 10th August 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972). Patent Office Calcutta.

#### 45 Claims

A method for producing fine cleaned textile fibres in a cleaning machine having a fibre wadding feeding device and an opening roller, comprising the steps of drawing a fibre wadding between a damping point of the feeding device in which the fibre wadding is compressed and clamped with a clamping force and brought to a fibre takeover point on the opening roller, passing the fibres through a separating blade while subjecting the drawn fibres to centrifugal force for separating the boundary zones having the contamination concentrated by drawing and centrifuging.

(Com. : 51 Pages; Drwgs : 15 Sheets)

Ind. Cl. : 190 B, D 178802  
Int. Cl<sup>4</sup> : F 03 D 3/00

"AN IMPROVED WIND MILL".

Applicant : THIRUMALAI ANANDAMPILLAI VIJAYAN 12, 1st STREET, PARTHASARATHY NAGAR, ADAM-BAKKAM, MADRAS-600088, TAMILNADU-600088. AN INDIAN NATIONAL.

Inventor : THIRUMALAI ANANDAMPILLAI VIJAYAN.

Application & Provisional Specification No. 770/MAS/90 filed on 1st October 1990.

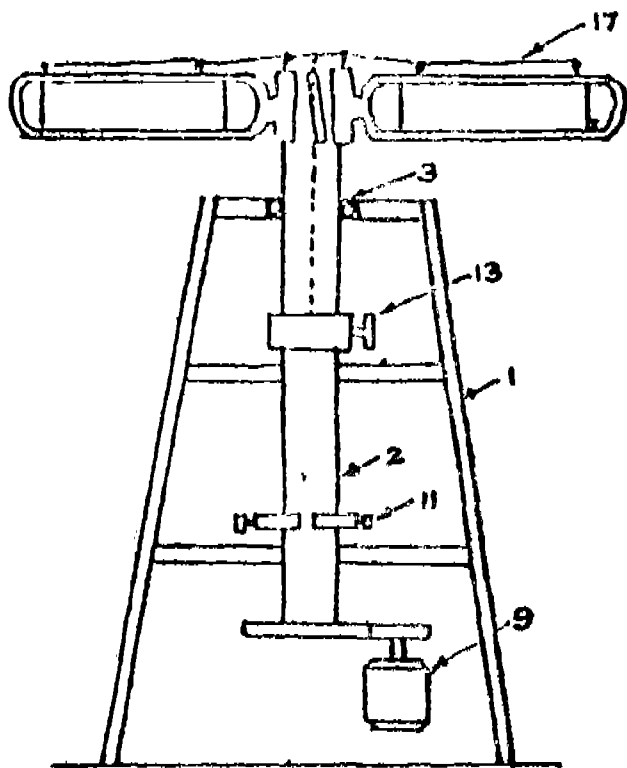
Complete Specification left on 31st Oct. 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office Calcutta.

#### 2 Claims

An improved windmill comprising a vertical tower fixed to the ground and provided on its inside a rotatable hollow shaft rotating around two or more bearings fixed in the said tower, the said shaft projecting above the said tower and provided with plurality of streamlined blades, the said blades comprising of a front and back arm between which is disposed two or more cross supports and a tough tear free weather proof fabric, the said fabric having front and back edges, the backedge of the said fabric is fixed to the back arm, the front edge of the fabric being provided with two or more pulling ropes, the said ropes being disposed in the grooves of pulleys, the said pulleys being fixed to the front arm, the ropes of all blade is connected to a central controlling rope, the said controlling rope being disposed inside the said shaft through a hole on the top of the shaft and escapes through another hole on the lower end of the shaft, and wound on a rotating drum, the said drum being fixed rotatably on a bracket fixed to the said shaft, the said rotatable drum being provided with a handle to wind the controlling rope, the said tower being provided with a brake around the said

shaft, the said tower being provided with a wind speed sensor or a shaft RPM sensor, and connected to the said drum tripper, the said shaft being provided with a pump or generator on its lower end.



(Comp. 5 Pages;  
(Prov. 5 Pages;

Drwgs. 1 Sheet)  
Drwgs. 0 Sheet)

Ind. Cl. : 71 D. G

178803

Int. Cl.<sup>4</sup> : B 62 D 55/18

#### TRACK ADJUSTING MECHANISM.

Applicant : CATERPILLAR INC., 100 NE ADAMS STREET, PEORIA, ILLINOIS- 61629-6400, U.S.A. A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE.

Inventor : MALCOLM H. KINSINGER.

Application No. 1026/MAS/90 filed on 18th December 1990.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rule 1972), Patent Office, Madras Branch.

#### 7 Claims

A track adjusting mechanism for adjusting the tension in the track of a track-type vehicle comprising :

a track roller frame having first and second portions slidable movable relative one to the other;

first and second wheels connected respectively to said first and second portions of said roller frame, said track being entrained around said first and second wheels and said roller frame;

means for biasing said first wheel away from said second wheel, said means including a compressed spring positioned within said first portion of said track roller frame;

means for varying the degree of compression of said spring, including a first piston reciprocally movably positioned within said first portion or said track roller frame;

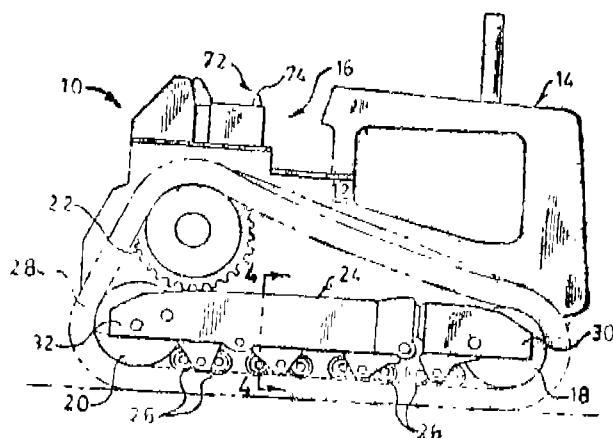
a fluid cylinder having a fluid leakage port, said cylinder being contained within said second portion of said track roller frame;

a source of pressurized fluid and means for controlling the flow of said pressurized fluid between said source and said, fluid cylinder, said means including a variable position control valve;

a second piston positioned within said cylinder and being movable by said pressurized fluid;

means for collecting and storing leakage fluid from said cylinder, said means being in fluid communication with said fluid leakage port; and

a fluid line connected between said control valve and said cylinder, said fluid line adapted to receive high pressure fluid from said control valve in a first operational position of said control valve, and to receive relatively low pressure fluid from said cylinder and said collecting means in a second operational position of said control valve.



(Com. 18 Pages;

Drwgs. 3 Sheets)

Ind. Cl. : 204

178804

Int. Cl.<sup>4</sup> : G 01 G 23/18

#### AN APPARATUS FOR MONITORING THE QUANTITY OF LIQUIFIED PETROLEUM GAS IN A DOMESTIC COOKING GAS CYLINDER.

Applicant : K. CHANDRASEKARAN. C/O. V K RAMAN, NO. 12 RAGAVAIH ROAD. THIAGARAYA NAGAR, MADRAS 600017, INDIA AN INDIAN CITIZEN,

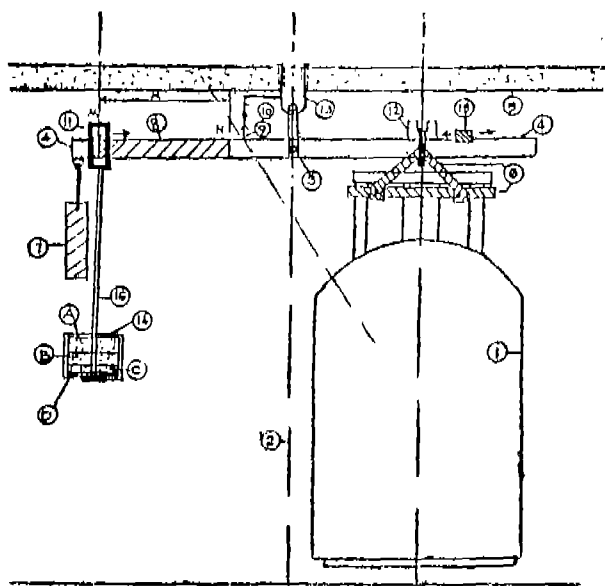
Application No. 645/MAS/91 filed on 28th Auh. '91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), Patent Office, Madras Branch.'

#### 3 Claims

An apparatus for monitoring the quantity of liquified petroleum gas in a domestic cooking gas cylinder comprising a balancing beam (4) pivoted on an axis (2) with a pivot (3) mounted on a frame (13) characterised in that the said balancing beam (4) having a small span on one side with a holding slot (12) in which a clamp (6) is provided for hanging the LPG cylinder (1), and a lone span on the other side of the pivot with a dead weight (7) at one end to counter the empty LPG cylinder weight, a rider (11) having an extension rod (16) for carrying removable counterweight (14) for balancing the beam against the weight of the LPG

gas cylinder (1), the end portion (X) of the balancing beam with a longer span being engraved with a scale (8) for direct reading of the gas content.



(Comp. 8 Pages; Drwgs, 3 Sheets)

Ind. Cl- : 23-H

178805

Int. Cl.<sup>4</sup>: B 67 D 5/64

AN ACTIVATED BIN FOR RECEIVING STORING AND DISCHARGING BULK SOLID MATERIALS OF THE TYPES THAT ARE RESPONSIVE TO A VIBRATORY CONVEYING ACTION.

Applicant : KINEKGY CORPORATION, A CORPORATION OF THE STATE OF KENTUCKY, U.S.A., OF 7310 GRADE LANE, LOUISVILLE, KENTUCKY 40219, U.S.A.

Inventor : GEORGE DAVID DUMBAUGH, U.S.A.

Application No. 946/MAS/91 filed December 27, 1991.

Divisional to Patent Application No. 824/MAS/88; Antedated to November 24, 1988.

Convention date October 18, 1988; (No. 580,494; Canada).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

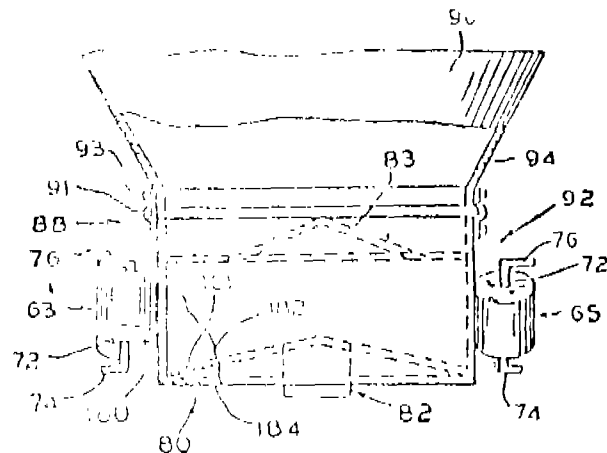
### 3 Claims

An activated bin for receiving, storing and discharging bulk solid materials of the types that are responsive to a vibratory conveying action, comprising means or stationarily mounting said bin, with said bin having a frustoconical transition cone, and a bin activator secured to the lower end of said bin cone, said bin activator comprising a cylindrical side wall that is symmetrical about said vertical axis, vibration isolator means for mounting said activator to be vibrated by said helical vibration imparting means, said helical vibration imparting means being mounted on said activator, said activator being formed to define said bottom section and said conveying surface of same adjacent the bottom of said activator-

Ref. cited : U. S. Patent No. 3,178,068

Indian Patent No. 171843

Agents : M/s. DePenning & DePenning



(Com. : 29Pages; Drwgs ; 2 Sheets)

Ind Class,

55/18

178806

Int. Cl.<sup>4</sup> : A-61 K 35/00.

A PROCESS FOR PREPARING A STABLE PROPHYLACTIC AND CURING COMPOSITION FOR PREVENTING AND CURING VIRAL DISEASES IN FISH AND CRUSTACEANS.

Applicant : AJINOMOTO CO. INC., A JOINT STOCK COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF JAPAN, OF NO. 15-1 KYOBA-SHI, J-CHOME, CHOU-KU, TOKYO, JAPAN.

Inventors : (1) ICHIRO KOMURA, JAPAN, (2) YASUHIKO TORIDE, JAPAN.

Application No. 638/Mas/93 dated September 8, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 11 Claims

A process for preparing a stable prophylactic and curing composition for preventing and curing viral diseases in fish and crustaceans comprising the steps of culturing bacteria such as herein described in an appropriate known culture medium, separating cells of said bacteria from the culture medium, sterilising the cells by known means, disrupting at least a part of the said sterilised cells by known means, fractioning at least a part of the disrupted cells to obtain a cell wall component containing fraction and subsequently adding to conventional fish meal at least one component containing bacteria cell wall selected from the said sterilised cells, the said disrupted cell and or the fraction containing the cell wall component.

(Com. - 20 pages)

Ind. Class -

12-C&G

178807

Int. Cl.<sup>4</sup> - A 61 C 8/00.

AN ENOSSAL IMPLANT WITH AN IMPLANTABLE BASIC STRUCTURE.

Applicant : IMZ FERITIGUNGS UND VERTRIEBSGESELLSCHAFT FUR DENTALE TECHNOLOGIE MBH, OF TALSTR. 23, 7024 FILDERSTADT, WEST GERMANY, A GERMAN COMPANY.

Inventor : AXEL KIRSCH, WEST GERMANY.

Application No. 1707/Mas/93 dated October 4, 1993.

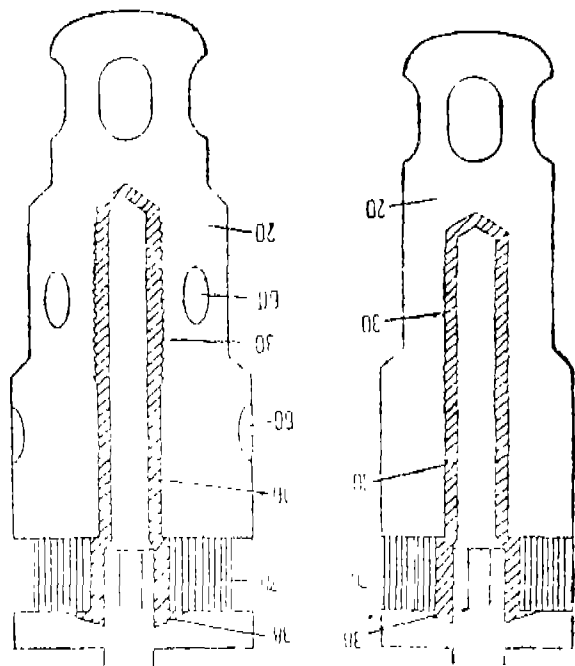
Divisional to Patent Application No. 905/Mas/89; Antedated to December 8, 1989,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 9 Claims

An enossal implant with an implantable basic structure comprising a spacer sleeve (70) which is mountable on the upper edge of the basic structure (20) as an extension, the inner sleeve (30) being supported with a ring flange provided on its upper edge or at least one projection (38) on the spacer sleeve (70).

Agent : M/s, DePenning & DePenning.



(Compl, Specn. 11 pages;

Drwgs.

1 sheet)

Ind. Class : 108-B1 178808

Int. Cl<sup>4</sup> - C 21 B 13/00,

APPARATUS FOR REDUCING IRON ORE PARTICLES TO SPONGE IRON PARTICLES BY MEANS OF A REDUCING GAS.

Applicant : HYLSA SA DE C V, A CORPORATION UNDER THE LAWS OF THE UNITED MEXICAN STATES OF AVENIDA MUNICH Y CALLE GUERRERO, SAN NICOLAS DE LOS GARZA, NUEVO LEON MEXICO.

Inventors : (1) JORGE OCTAVIO BECERRA NOVOA, MEXICO (2) RICARDO VIRAMONTES BROWN, MEXICO (3) MARCO AURELIO FLORES VERDUGO, MEXICO (4) JOSE JAVIER GARZA ONDARZA, MEXICO.

Application No. 631/Mas/94 dated July 14, 1994.

Divisional To Patent Application No 421/Mas/90; Ante-dated to May 29, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

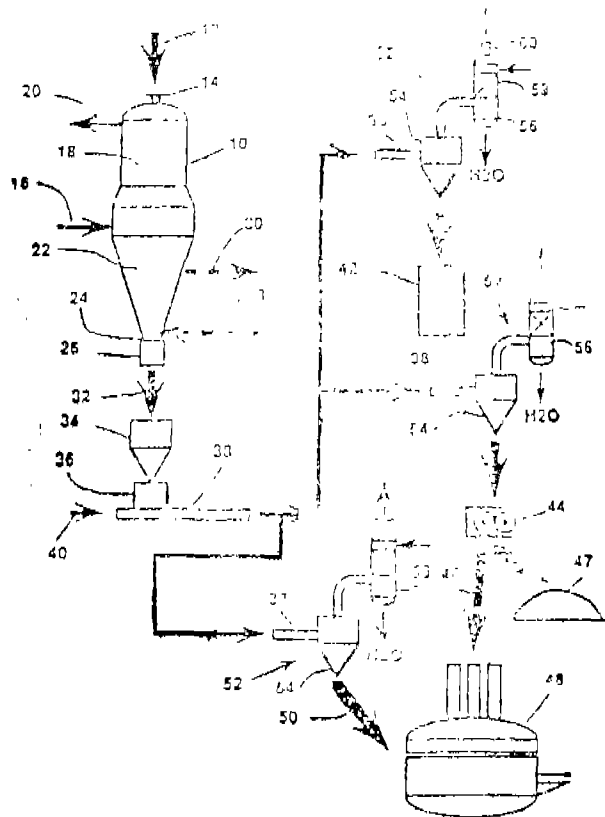
## 9 Claims

Apparatus for reducing iron ore particles to sponge iron particles by means of a reducing gas comprising a vertical shaft moving bed reduction reactor (10) with a reduction zone (18) and a discharge zone (22); a support structure therefore; charging means for effecting introduction of iron ore into said reduction zone, discharging means for effecting removal

of reduced iron ore in the form of sponge iron particles from said discharge zone; at least one of said charging means and said discharging means being a participate solids pneumatic pipe conveyor (38) with a particle handling bin (54) laterally remote from and nonaligned vertically " with respect to said reactor and said support structure; a charge inlet (14) to said reduction zone (18); a discharge outlet (24) from said discharge zone (22); a dosifier (26) for controlling discharge of sponge iron particles (32) from said zone through said outlet, feeding means (16) for feeding a hot reducing gas at the bottom of said upper reduction zone; means for removing (20) the spent first stream of hot reducing gas at the top portion of the reduction reactor; and said discharging means having (a) a pneumatic conveying pipe being in open communication through said discharge outlet to the interior of said reactor, said pipe extending from said discharge outlet to a remote point of use; (b) said particle handling bin being at least one disengaging bin connecting with said conveying pipe at said remote point from separating pneumatically transported sponge iron particles from carrier gas; and (c) a gas supply means (88) feeding into said conveying pipe adjacent said discharge-outlet being positioned and constructed to supply carrier gas in a quantity, pressure, and velocity capable of pneumatically transporting sponge iron particles of a size at least 80% of which are greater than 0.5 cm and at least 50% of which are greater than 1.0 cm from said discharge outlet to said disengaging bin.

Ref. cited : (1) INDIAN PATENT APPLN. No. 421/Mas/90 (2) U. S. PATENT NOS. 4046557 & 4150972.

Agent : M/s, DePenning & DePenning.



(Com, - 29 pages; Drwgs, - 6 sheets)

Ind. Class : 32-F<sub>2</sub>(b)

178809

Int. Cl<sup>4</sup> : C 07 D 471/00.

A PROCESS FOR PREPARING AN IMIDAZOPYRIDINE DERIVATIVE.

Applicant : LONZA LTD., GAMPEL/VALAIS, BASLE. SWITZERLAND. A SWISS COMPANY.

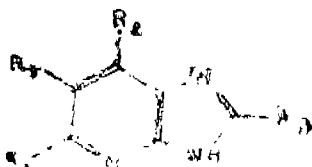
Inventors : (1) GERHARD STUCKY, SWISS (2) RENE IMWINKELRIED, SWISS.

Application No, 909/Mas/94 dated September 16, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 11 Claims

A process for preparing an imidazopyridine derivative of general formula I :



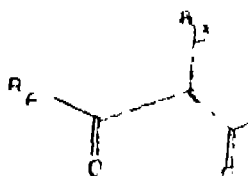
In which  $R_1$  is an alkyl, cycloalkyl, aryl, aralkyl or heterocyclic group,  $R_2$  and  $R_4$  are identical or different and are Detected from hydrogen and hydroxy, cyano, alkyl, cycloalkyl, aryl, aralkyl, alkanoyl and alkoxy-carbonyl groups, and  $R_3$  is a hydrogen, alkyl, aryl, aralkyl or halogean atom or group, wherein a thiomidate hydrohalide of general formula IV :



in which  $R_1$  is as defined above,  $R_5$  is an alkyl, aryl or aralkyl group, and  $X$  is a halogen atom, is reacted with aminoacetonitrile to give an amidine of general formula V :



in which  $R_1$  and  $X$  are as defined above, and the amidine of general formula V is cyclized, in the presence of a base, with a 1, 3-dicarbonyl compound of general formula VI;



m which  $R_8$  is as defined above and  $R_6$  and  $R_7$  are identical or different and are selected from hydrogen and alkoxy, cyano, alkyl, cycloalkyl, aryl, aralkyl, alkanoyl and alkoxy-carbonyl groups, and where  $R_6$  or  $R_7$  represents alkoxy groups converting the said alkoxy groups to hydroxy groups by known methods, to give a final product of general formula I, wherein the thiomidate hydrohalide of general formula IV is formed by reacting a nitrile of general formula II :

$R_1$  CN

in which  $R_1$  is as defined above, with a thioal of general formula TO :

$R_5$  SH

III

in which  $R_5$  is as defined above, in the presence of a hydrogen halide.

Agents : M/s. DePenning & DePenning.

(Comp. 18 pages)

Ind. Class ; 83-A<sub>1</sub> &<sub>3</sub>,

178810

Int. Cl<sup>4</sup> ; A23L 1/00,

A PROCESS FOR PREPARING A DEHYDRATED OIL-IN-WATER EMULSION IN THE FORM OF A POWDER.

Applicant : SOCIETE DES PRODUITS NESTLE S A., A SWISS BODY CORPORATE, VEVEY, SWITZERLAND.

Inventors : (1) WERNER BAUER, GERMANY, (2) GERARD MASSON, FRANCE.

Application No. 1045/Mas/94 dated October 27, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 3 Claims

A process for preparing a dehydrated oil-in-water emulsion in the form of a powder, comprising the steps of preparing an aqueous phase having a source of albumen, such as egg white, and a source of food acid such as citric acid and/or acetic acid; preparing a fatty phase having one or more fats of animal or vegetable origin, such as sunflower, soya, olive, peanut, rapeseed, canola and/or corn oil; optionally adding seasonings to the aqueous and/or fatty phase; mixing the aqueous and fatty phase to form an emulsion having a pH; below 5 and an albumen/fat ratio of between 0.14 and 1.5; homogenising the emulsion and dehydrating the homonised emulsion to obtain the dehydrated oil-in-water emulsion in powder form

(Comp. 18 pages)

Ind. Class : 55-D<sub>2</sub>

178811

Int. Cl<sup>4</sup> : A 01 N 39/00; 43/00

A PROCESS FOR THE PRODUCTION OF A HERBICIDAL COMPOSITION.

Applicant : HOECHST-SCHERING AgrEvo GmbH, OF D-13509 BERLIN, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

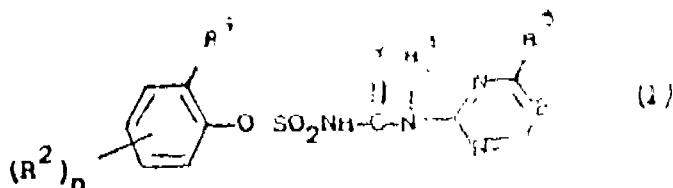
Inventors : (1) HANS-HERBERT SCHUBERT, GERMANY, (2) TAKEHIKO NAKAJIMA, JAPAN, (3) KLAUS BAUER, GERMANY, (4) HERMANN BIERINGER, GERMANY.

Application No. 1072/Mas/94 dated November 4, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

### 5 Claims

A process for the production of a herbicidal composition containing active compounds A and B in the weight ratio of 1 : 1 to 1 : 40 comprising the steps of admixing at least one compound A or their salts, with compound B in the desired range, the said compound A is defined by formula I



wherein

R<sup>1</sup> is ethoxy, propoxy or isopropoxy and when in the second position in the phenyl radical R<sup>1</sup> is halogen, methoxy, ethyl or propyl,

R<sup>2</sup> is halogen NO<sub>2</sub>, CF<sub>3</sub>, CN, C<sub>1</sub>C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, C<sub>1</sub>-C<sub>4</sub>-alkylthio (C<sub>1</sub>-C<sub>4</sub>-alkoxy) carbonyl and when in the 6-position in the phenyl radical R<sup>2</sup> is C<sub>1</sub>-C<sub>4</sub> alkoxy carbonyl, n is 0, 1, 2 or 3,

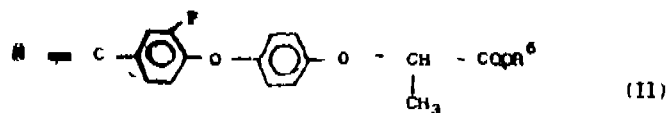
R<sup>3</sup> is hydrogen, saturated or unsaturated C<sub>1</sub>C<sub>8</sub> alkyl or C<sub>1</sub>-C<sub>4</sub> alkoxy,

R<sup>4</sup> and R<sup>5</sup> independently of one another are hydrogen, halogen, C<sub>1</sub>-C<sub>4</sub> alkyl C<sub>1</sub>-C<sub>4</sub> alkoxy, C<sub>1</sub>-C<sub>4</sub> alkylthio, the last mentioned three radicals being unsubstituted or substituted by halogen, C<sub>1</sub>-C<sub>4</sub> alkoxy or C<sub>1</sub>-C<sub>4</sub> alkylthio,

Y is O or S and

E is CH or N,

and the said compound B is defined by the formula II or their salts,



in which

R<sup>6</sup> is hydrogen or (C<sub>1</sub>-C<sub>6</sub>) alkyl and recovering the herbicidal composition in a known manner.

(Comp. 28 pages)

Ind. Class : 55-F 178812

Int. Cl.<sup>4</sup> : A 61 K 31/00.

#### PROCESS FOR PREPARING A REJUVENATING AND REVITALISING PHARMACEUTICAL COMPOSITION.

Applicant : TABLETS (INDIA) LIMITED, 179TH ROAD, MADRAS-600 081, TAMIL NADU, AN INDIAN COMPANY.

Inventors : (1) RAJAGOPAL THIRUVENGADAM, INDIA, (2) MULLATH ARAVINDAKSHAN, INDIA.

Application No. 86/Mas/95 dated January 27, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 9 Claims

A process for preparing a rejuvenating and revitalising pharmaceutical composition comprising blending the compounds listed hereunder in the range specified thereagainst with known adjuvants and/or excipients :

L Leucine	13	to 23 mg
L Iso leucine	4.5	to 7.5 mg
L Lysine hydrochloride	19	to 31 mg
L Phenyl alanine	3.5	to 6.5 mg
L Threonine	3	to 5 mg
L Valine	5	to 8 mg
L Tryptophane	3.5	to 6.5 mH
DL Methionine	13	to 23 mg

5 Hydroxy anthranilic acid HCl	0.15	to 0.25 mg
Vitamin A acetate	2000	to 3000 IU
Vitamin D3	150	IU to 250 IU
Vitamin B1	Mononitrate	3.5 to 6.5 mg
Vitamin B2		2 to 4 mg
Niacinamide		19 to 31 mg
Vitamin B6 HCl		1.2 to 2.6 mg
Folio acid		0.2 to 0.9 mg
Calcium	panotothenate	3.6 to 6.5 mg
Vitamin B12		1.0 to 3.1 mg
Vitamin C		20 to 50 mg
Vitamin	E	1 to 9 IU

(Comp. 16 pages)

Ind. Class : 55-E<sub>4</sub> 178813

Int. Cl.<sup>4</sup> : A 61 K 31/00.

#### A PROCESS FOR PREPARING A PHARMACEUTICAL COMPOSITION FOR ENHANCING IRON ASSIMILATION AND HAEMOGLOBIN SYNTHESIS.

Applicant : TABLETS (INDIA) LIMITED, 179TH ROAD, MADRAS-600081, TAMIL NADU, AN INDIAN COMPANY.

Inventors (1) MULLATH ARAVINDAKSHAN, INDIA, (2) PONNAPALLI VENKATA KRISHNAMOORTHY, INDIA (3) MUTHU VELAYUDAM SIVAKUMAR, INDIA,

Application No. 87/Mas/95 dated January 27, 1995.

\nproprlate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 9 Claims

A process for preparing a pharmaceutical composition for enhancing iron assimilation and haemoglobin synthesis which comprises blending compounds listed hereunder in the range specified there against with known adjuvants and for excipients.

Ferrous Fumarate	115	to 185 mg
L Histidine Hydrochloride		3 to 5 mg
T. Lysine Hydrochloride		19 to 31 mg
Glycine		7.5 to 12.5 mg
Vitamin B1 mononitrate		3.75 to 6.25 mg
Riboflavin		2.25 to 3.75 mg
Vitamin B <sub>6</sub> Hydrochloride		1.2 to 1.8 mg
Vitamin B <sub>12</sub>		1.9 to 3.1 mg
Folio acid	0.38	to 0.62 mg
Ascorbic acid		30 to 50 mg

(Comp. 11 pages).

Ind. Class : 55-E<sub>4</sub> 178814

Int. Cl.<sup>4</sup> : A 61 K 31/00.

#### A PROCESS FOR PREPARING A SYNERGISTIC AMINO ACID COMPOSITION EFFECTIVE IN UTILIZING EXCESS NITROGEN FOR PROTEIN SYNTHESIS.

Applicant: TABLETS (INDIA) LIMITED, 179TH ROAD, MADRAS-600 081. TAMIL NADU, AN INDIAN COMPANY.



Inventors : (1) RAJAGOPAL THIRUVENGADAM, INDIA, (2) PONNAPALLI VENKATA KRISHNA-MOORTHY, INDIA, (3) MALLADI SURYA PRAKASA SASTRI, INDIA.

Application No. 88/Mas/95 dated January 27, 1995.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 6 Claims

A process for preparing a synergistic amino acid composition effective in utilizing excess nitrogen for protein synthesis which comprises admixing the compounds listed herein under in the range specified thereagainst with known pharmaceutically acceptable adjuvants and/or excipients :

L-Isoleucine	150 to 250 mg
L-Leucine	240 to 400 mg
L-Lysine Hydrochloride	220 to 370 mg
L-Methionine	240 to 400 mg
L-Phenylalanine	240 to 400 mg
L-Threonine	110 to 181 mg
L-Tryptophan	54 to 90 mg
L-Valine	175 to 270 mg
L-Histidine Hydrochloride	160 to 270 mg

(Comp. 10 pages).

Ind. Class : 55-E<sub>4</sub> 178815

Int. Cl.<sup>4</sup> : A 61 K 31/00.

#### A PROCESS FOR PREPARING A SYNERGISTIC GROWTH PROMOTING COMPOSITION

Applicant : TABLETS (INDIA) LIMITED, 179, TH ROAD, MADRAS-600 081, TAMIL NADU, AN INDIAN COMPANY.

Inventors : (1) RAJAGOPAL THIRUVENGADAM, INDIA, (2) MUTHU VELAYUDAM SIVAKUMAR, INDIA, (3) MULLATH MADHAVAN UNNI, INDIA.

Application No. 89/Mas/95 dated January 27, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 6 Claims

A process for preparing a synergistic growth promoting composition which comprises admixing the compounds listed herein below in the range specified there against with pharmaceutically acceptable adjuvants and excipients :

L Threonine	0.63	to 1.05 mg
L Valine		1 to 1.69 mg
L Methonine		14 to 2.3 mg
L Isoleucine		0.88 to 1.48 mg
L Leucine		2.8 to 4.5 mg
L Phenyl alanine		0.75 to 1.25 mg
L Tryptophan		0.75 to 6.25 mg
L Lysine hydrochloride		3.75 to 6.25 mg
Vitamine C		75 to 125 mg

(Compl, 8 pages).

Ind. Cl. : 140 A<sub>2</sub> 178316

Int. Cl. : C 10 M 133/46.

#### LUBRICANT COMPOSITION.

Applicant : The LUBRIZOL CORPORATION OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 U.S.A.

Inventors : JAMES, JAY SCHWIND, JAMES NOEL VINCI.

Application for Patent No. 785/Del/89 filed on 5-9-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

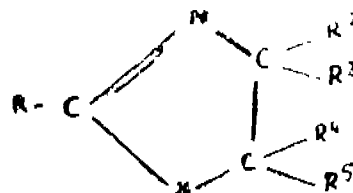
#### (Claims 25)

A lubricating composition comprising a mixture of

(A) a major amount of an oil of lubricating viscosity,

(B) 0.05 to 30 parts by weight of at least one ashless dispersant of the kind as herein described and

(C) 0.01 to 1% by weight of at least one demulsifier characterized by the formula.



wherein R is a hydrocarbonyl group, R<sup>2</sup> R<sup>3</sup> R<sup>4</sup> and R<sup>5</sup> are each independently H or hydrocarbonyl groups, and X is O or NR wherein R is hydrogen or a hydrocarbonyl group.

(Complete Specification 71 Pages;

Drawing Sheets).

Ind. Cl. : 33AEF.

178817

Int. Cl.<sup>4</sup> : B 22C 9/00. 9/02.

#### CONTAINING STEEL CASTING MACHINE WITH ADJUSTABLE COOLING SPRAY.

Applicant : CASS R KURZINSKI, OF 6202 TURNWOOD DRIVE, JAMESVILLE, NEW YORK 13078, UNITED STATES OF AMERICA.

Inventor : CASS R, KURZINSKI.

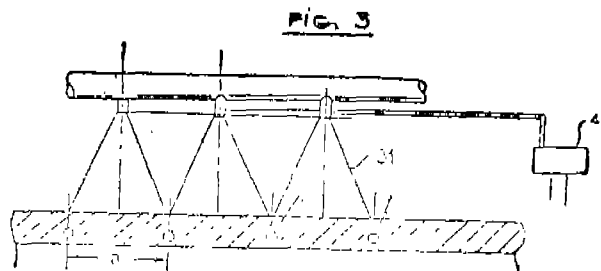
Kind of Application : Complete.

Application for Patent No. 1006/Del/89 filed on 02-11-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005,

#### (Claims 3)

A spray-cooled mold for continuously casting molten metal to cause solidification of at least an outer shell of said metal, said mold having spray nozzles positioned around and along the mold for spraying cooling water against the mold characterized by temperature sensing (40) means comprising thermocouples embedded in the mold wall (33) at spaced locations along its length for sensing the temperature of the mold wall (33) at spaced locations, and control means (41) connected to said thermocouples (40) and with said spray nozzles (N) for automatically adjusting the spray of overlap of adjacent sprays along the mold in response to the temperature sensed by said thermocouples (40).



(Complete Specification 14 Pages;

Drawing Sheets 3).

Ind- Cl. : 146 C

178818

Int. Cl.<sup>4</sup> : 3/00**APPARATUS FOR PRODUCING BLUE GREEN LIGHT RADIATION.**

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK., UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors : CHRISTOPH STEPHAN HARDER, WIDFRIED LENTH. HEINZ PETER MEIER, WILLIAM PAUL RISK.

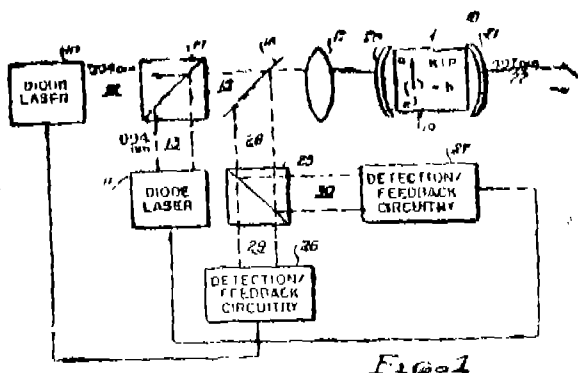
Application for Patent No. 152/Del/90 filed on 21st Feb 1990.

Kind of Application—Complete.

Appropriate Office for Opposition Proceedings (Rule A, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

**Claims 18**

Apparatus for producing coherent blue-green light radiation having a wavelength of essentially 490-500 nm, comprising; at least one diode laser for providing an essentially 980-1000nm beam and at least one diode laser for providing an essentially 980-1000 nm beam and, a nonlinear crystal of essentially KTiOPO (KTP) located in optical communication with the diode laser for receiving for the fundamental radiation of said beam, and for producing the coherent radiation by non-critical phase-matched second harmonic generation of said beam.



(Complete Specification 1 Pages

Drawing 2 Sheets)

Ind. Cl. : 98A

178819

Int. Cl.<sup>4</sup> : R 28 F1/10.**("A HEAT RADIATOR".**

Applicant : FEDDERS LLOYD CORPORATION LIMITED NO. 2, INDUSTRIAL AREA, KALKAJI NEW DELHI-110019, AN INDIAN COMPANY.

Inventors : SOM SUNDRAM DORAI RAJ, INDIAN.

Kind of Application : Complete.

Application for Patent No. 1144/Del/90 filed on Date 21-11-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

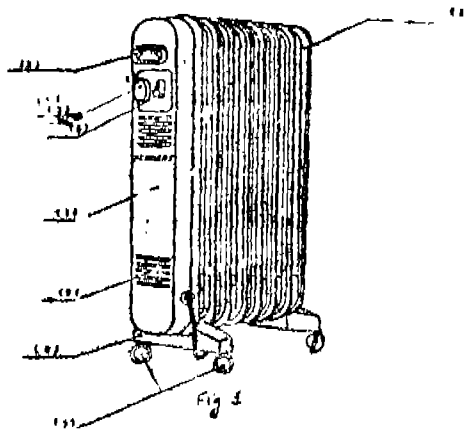
**Claims 5**

A heat radiator comprising ;

—a radiator body having atleast two hollow fins,

—the said fins having at least one opening at the top and the other at the bottom for connecting the adjacent fins to form a tunnel connector between the said fins at the top and the bottom,

—the bottom tunnel connector being provided with the heating element immersed in a thermic fluid to heat the said fins to radiate heat uniformly.



Complete Specification 5 Pages

- Drawings 2 Sheets

Ind. Cl. : 195 C, G

178820

Int. Cl.<sup>4</sup> : B 60 C 29/00.**"AN INFLATION VALVE FOR INFLATING A BALLOON".**

Applicant : HGF LAMINATES, (DIVISION OF PAHARPUR INDUSTRIES LIMITED) OF 25 COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI-65.

Inventors : KAMAL MEATTLE, INDIAN.

Kind of Application : Complete.

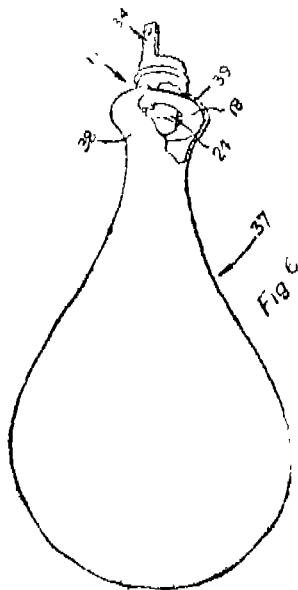
Application for Patent No. 1146/Del/90 filed on Date 21-11-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

**Claims 5**

An inflation valve for inflating a balloon comprising a stem having a flange provided at the outlet end thereof for securing said valve with one panel of the inflatable chamber of said, balloon, said stem having a rigid inner wall defining a filling passage therethrough being provided to be in flow communication with said chamber, a cylindrical plug means being provided in said passage such that to be rotated in a first direction toward said chamber and in a second opposite direction, away from said chamber for communicating said passage with said chamber, means comprising a plurality of circumferentially spaced stops formed on said outlet end of said stem and within

said filling passage being provided to minimise the outlet for communicating said passage with said inflatable chamber or said balloon.



Complete Specification 15 Pages

Drawings 1 Sheet.

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 171788 dated the 23rd Sept. 1987 made by Contempo Products, P. Herrli on the 24th July, 1996 and notified in the Gazette of India Part III, Section 2, dated the 26-10-1997 has been allowed and the said Patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 172922 granted to Finn Technology, Inc., for an invention relating to "Process for polymerising propylene to produce syndiotactic polypropylene".

The patent ceased on the 31st. August, 1996 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 21st June, 1997.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace 2nd M.S.O Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28-8-1997 under Rule 69 of the Patents Rules, 1972. A Written Statement, in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 175681 granted to Keystone International Holdings Corp. for an invention relating to "pressure reducing and conditioning valve".

The patent ceased on the 25th July 1996 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 21st June, 1997.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace 2nd M.S.O Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28-8-1997 under Rule 69 of the Patents Rules, 1972. A

Written Statement, in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### OPPOSITION PROCEEDINGS

The opposition entered by M/s. Mintage Consultants Pvt. Ltd., Bombay to the grant of Patent on Application No. 169/Bom/92 (175242), made by Mr. V. D. Hukerikar and Mr. R. M. Bajikar as notified in the Gazette of India Part III, Section 2 dated 3rd February, 1996 has been dismissed and it is ordered that the said patent shall be sealed on application for patent No. 175242 in the prescribed manner.

The opposition entered by M/s. Mintage Consultants Pvt. Ltd., Bombay to the grant of Patent on Application No. 101/Bom 92 (175263), made by Mr. V. D. Hukerikar and Mr. M. R. Palkhiwalla as notified in the Gazette of India Part III, Section 2 dated 3rd February, 1996 has been dismissed and it is ordered that the said patent shall be sealed on application for patent No. 175263. in the prescribed manner.

The two opposition entered by

1. Unique pharmaceutical Laboratories Ltd.
- and

2. Godrej Soap Ltd,

for a grant of Patent to Ranjna Gupta on application No. 176149 (469/Del/91) have been disposed, of and the application is treated as relinquished.

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Magyab Aluminiumpari Troszt, a body corporated organised under (the laws of Hungary of 56, Pozsonyi at, Budapest, XIII, Hungary have made an application under Section 57 of the Patents Act, 1970, for amendment of application and application of their application for Patent No. 763/Mas/89 (172958) for "Process for producing Alumina from Gibbsite Bauxites".

The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from, the date of Notification at the Patent Office Branch, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition it shall be left within one month from, the date of filing the said Notice.

Notice is hereby given that Cornell Research Foundation, Inc., of East Hill Plaza, Ithaca, New York 14850, United States of America, have made an application under Section 57 of the Patents Act, 1970, for amendments of application and application of their application for Patent No. 306/Mas/93 (176655) for "A process for preparing a Contraceptive Vaccine".

The amendment are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of Notification at the Patent Office Branch, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said Notice,

## RENEWAL FEES PAID

170856 173366 171161 173352 173672 174332 175067 173684  
 175817 164028 173576 173604 159401 167048 160118 169109  
 175892 175668 173222 171688 170871 169365 169207 167182  
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 173704 174888 171116 173315 173912 170557 175537 175107  
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 160723 173223 171162 173367 163946 167250 164640 167441  
 167187 170539 166927 174077 169523 176775 173076 176779  
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 175378 167215 164821 166869 171450 170253 170713 172876  
 173413 171522 173251 163484 172007 173747 161949 176184  
 163964 174613 171698 172791 165709 162348 173207 177100  
 177105 177097 177093 177098 161338 167101 167560 168733  
 171233 172055 173746 175045 175964 176052 176493 176520  
 176572 176998 177009 177014 177024

## PATENT SEALED ON 30-5-97

176904\*D 177232 177233\* 177234 177235 177237\* 177246\*  
 177259\* 177261\* 177262\* 177265 177266

CAL-NIL, DEL-11, MUM-01, CHEN-NIL.

\*Patent shall be deemed to be endorsed with the words  
 LICENCE OF RIGHT Under Section 87 of the Patent Act,  
 1970 from the date of expiration of three years from the  
 date of sealing.

D Drug Patents.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not  
 open to inspection for period of two years from the date of  
 registration except as provided for in Section 50 of the De-  
 sign Act, 1911.

The date shown in the each entries is the date of the re-  
 storation included in the entries.

Class 1. Nos. 171702 to 171705, Madan Lal Grover, Indian  
 national, trading as Pankaj Electronics, 21 Malka-  
 ganj, Delhi-110007, India, a sole proprietorship  
 firm of the above address, "SPEAKER", 3rd July  
 1996.

Class 1. Nos. 171783 & 171784, Lallubhai Amichand Ltd., of  
 48/50, Kansara Chawl, Kalbadevi Road, Mumbai-  
 400002, Maharashtra, India, "KETTLE", 12th July  
 1996.

Class 1. Nos. 171766 to 171771, Hindustan Lever Limited,  
 of Hindustan Lever House 165 & 166 Backbay  
 Reclamation, Bombay-400040, State of Maharash-  
 tra, India. "NOZZLE FOR FILLING DE-  
 VICE", 11th July 1996.

Class 3. Nos. 171772 & 171773, Hindustan Lever Limited,  
 of Hindustan Lever House, 165 & 166 Backbay  
 Reclamation, Bombay-400040 State of Maharash-  
 tra, India. "NOZZLE FOR TUBE FILLING DEV-  
 VICE", nth July 1996.

Class 3. Nos. 171761 & 171762, Reliable Rotomoulders Pvt.  
 Ltd., 18A Brabourne Road, 2nd floor, Calcutta-  
 700001, W.B., India, an Indian Co., "ICE BOX",  
 11th July 1996.

Class 3. Nos. 171751 to 171753, OSRAM GmbH, Hellabrun-  
 ner Str. 1, 81543, Muenchen, Germany, "HOUS-  
 ING COVER FOR A LAMP", 10th, July  
 1996.

Class 4. Nos. 171727 to 171729, Mulder (India) Pvt. Ltd.,  
 of 12 Race Course Road, Bangalore-560001,  
 Karnataka, India, an Indian company existing  
 under the Comp. Act 1956 of the above address,  
 "CERAMIC TILE", 8th. July 1996.

Class 10. Nos. 171708 to 171717, Bata India Ltd.. 6 A, S. N.  
 Banerjee Road, Calcutta-700013, W. Bengal, India,  
 "A FOOTWEAR", 4th July 1996.

Class 10. Nos. 171724 & 171725, API Polymers (India) Ltd.  
 J 17, Udyog Nagar, New Delhi-1 10041, India,  
 an Indian company, "SHOE SOLE", 8th, July  
 1996.

Class 10. Nos. 171789 to 171799, NU-Fashion Footwear Pvt.  
 Ltd., K 73, Udyog Nagar, Delhi-110041, India,  
 an Indian company, "FOOTWEAR", 12 July  
 1996.

Class 10. Nos. 171785 to 171788, Aerobok Shoe Pvt. Ltd.,  
 2/184, Mangolpuri Industrial Area, Phase I, Delhi  
 110083, India, an Indian company, "SOLE FOR  
 FOOTWEAR". 12th July 1996.

T. R. SUBRAMANIAN

Controller General of Patent, Design & Trade  
 Marks

प्रबन्धक, भारत सरकार मद्रासालय, फरिदाबाद द्वारा मुद्रित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1997

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